

Holmberstad

(6)
Line 603

To Owens
11-15-67

TAS 3081

T.H. 51

JCT. T.H. 51 AND CO. RD. B-2

S.P. 6216

NOV. 1967

OFFICE OF
TRANSPORTATION SYSTEM PLANNING

MINNESOTA HIGHWAY DEPARTMENT

DEPARTMENT HIGHWAY

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: November 14, 1967

FROM : Robert D. Owens, Chief
Traffic Analysis Section

SUBJECT: TH 51, S.P. 6216
Jct. T.H. 51 and Co. Rd. B-2
TAS 3081

The Traffic Analysis Section transmits this report in response to Perry C. Plank's November 3, 1967 request for the 1985 ADT and HCADT for the project location as shown on the map on page 2.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4-6:

- a) Total ADT
- b) Vehicle Type Distribution
- c) Total Heavy Commercial ADT

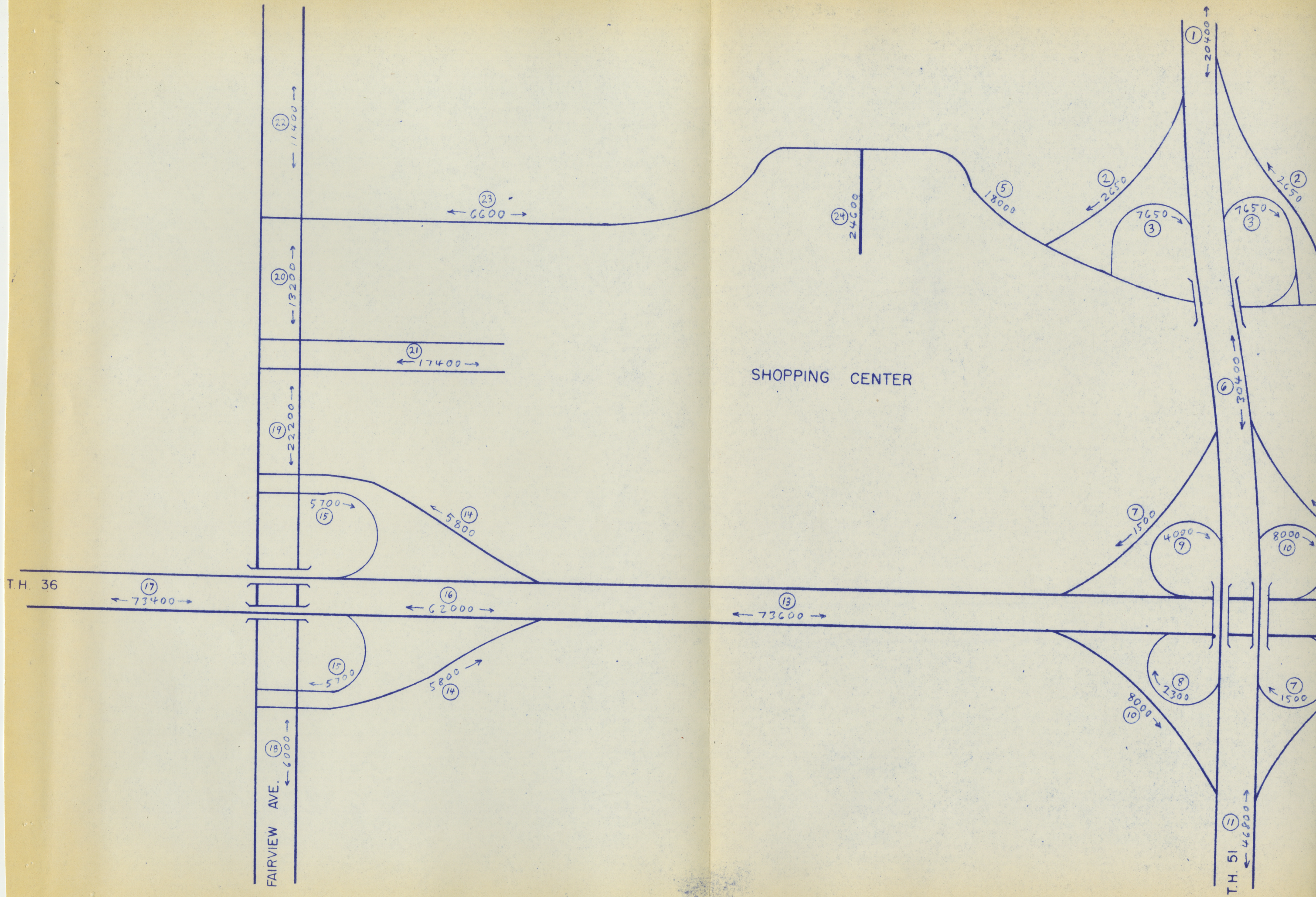
Segment 13 has the highest 1985 ADT for any section of the project. This segment has an estimated 1966 ADT of 27030.

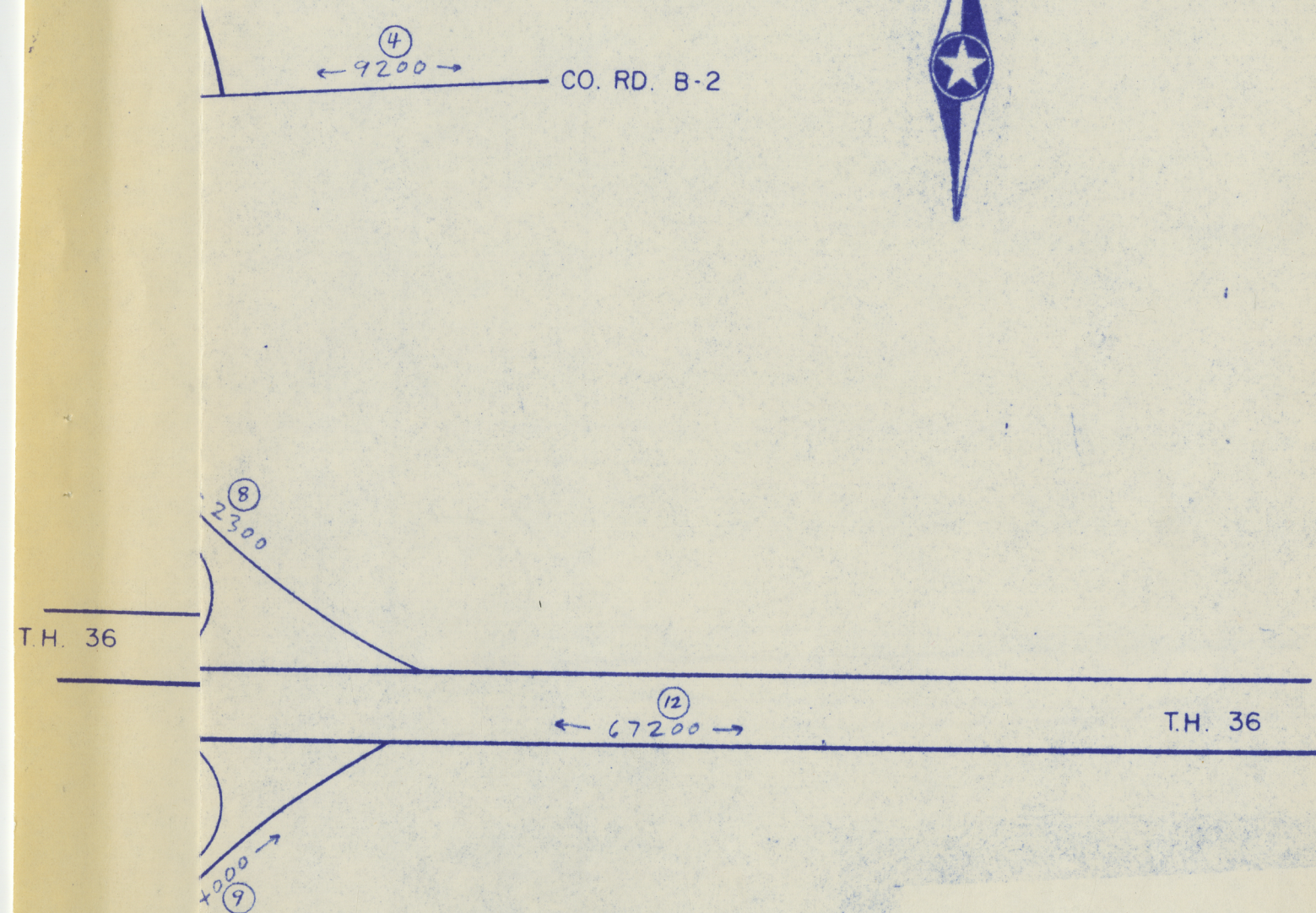
The basic data, method and assumptions are on page 7.

PH

Robert D. Owens

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP





TAS 3081
November, 1967

TH 51
S.P. 6216

LEGEND

Segment Number ①
1985 ADT 20400

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 3

FOR

T.H. 51 S.P. 6216 LENGTH - MILES
COUNTY Ramsey LOCATION Jct. T.H. 51 and Co. Rd. B-2

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	13731	2559	7383	8825	17461	23435	1303	2053	3736	7472	44139
1	3.5 710	1.9 51	2.0 150	2.1 191	1.8 333	3.0 903	5.7 85	4.4 102	2.8 112	2.9 224	2.6 1206
2	0.3 60	0.5 12	0.5 40	0.6 56	0.4 76	0.4 116	1.1 16	0.8 19	0.4 16	0.4 32	0.3 142
3	0.8 157	0.2 6	0.1 10	0.3 23	0.1 15	0.5 165	0.8 12	0.7 16	0.5 20	0.5 40	0.5 229
4	1.1 219	0.2 5	0.1 10	0.2 21	0.1 15	0.8 229	1.4 21	1.2 28	0.8 32	0.8 64	0.7 323
5	2.0 401	0.3 7	0.2 19	0.4 33	0.2 29	1.4 425	3.7 55	3.1 71	1.8 72	1.8 144	1.3 605
6	0.3 66	0.4 10	0.5 38	0.6 51	0.4 71	0.4 122	0.5 8	0.5 11	0.3 12	0.3 24	0.3 156
TOTAL ADT	20400	2650	7650	9200	18000	30400	1500	2300	4000	8000	46800
TOTAL H. COMM. ADT	8.0 1613	3.5 91	3.4 267	4.2 375	3.0 539	6.5 1965	13.2 197	10.7 247	6.6 264	6.6 528	5.7 2661
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 3

FOR

T.H. 51 S.P. 6216 LENGTH - MILES
COUNTY Ramsey LOCATION Jct. T.H. 51 and Co. Rd. B-2

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	63604	69576	5604	5516	58363	69400	5832	21547	12824	16875	11074
1	2.3 1538	2.3 1728	129	117	1470	1704	112	411	240	321	212
2	0.4 261	0.4 237	25	25	237	257	20	90	50	76	42
3	0.3 210	0.3 242	6	6	230	242	6	20	12	16	10
4	0.6 420	0.6 470	5	5	460	470	5	19	11	16	9
5	1.6 1049	1.6 1161	7	8	1147	1163	6	30	16	27	13
6	1.8 118	1.8 136	24	23	38	134	19	83	47	69	40
TOTAL ADT	67200	73600	5800	5700	62000	73400	6000	22200	13200	17400	11400
TOTAL H. COMM. ADT	7.0 3596	7.0 4024	196	184	3632	4000	168	653	376	525	326
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 3 OF 3
FOR
T.H. 51 S.P. 6216 LENGTH - MILES
COUNTY Ramsey LOCATION Jct. T.H. 51 and Co. Rd. B-2

BASED ON
1985 ADT FROM TRAFFIC ANALYSIS UNIT
SHOWING
TOTAL ADT ON SEGMENTS 23 THROUGH 24 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	23	24									
0	6402	23863									
1	122	455									
2	28	104									
3	6	21									
4	6	21									
5	10	39									
6	26	97									
TOTAL ADT	6600	24600									
TOTAL H. COMM. ADT	198	737									
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE
0 = PASSENGER CARS AND 4 TIRE TRUCKS 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
2 = SINGLE UNIT-3 AXLE TRUCKS 6 = BUSES AND TRUCKS WITH TRAILERS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

Basic Data, Method and Assumptions

The System 10 ADT and DHV was transmitted in TAU 456 of August, 1966.

The total heavy commercial traffic is based on the System 10 heavy truck study. The vehicle type distributions are based on up-dated vehicle type counts made on roads within the project area and counts made on roads which are assumed to provide a level of service comparable to the design year level of service for roads within the project area.